

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 18, 1958

For the week ended October 18, 1958, 289 cases of polio-myelitis have been reported. Of these, 140 were paralytic and 88 nonparalytic. During the preceding week a revised number of 316 cases were reported; 156 of these were paralytic and 116 nonparalytic. For the week ended October 19, 1957, 111 cases, with 60 being paralytic and 33 nonparalytic, were reported.

All of the geographic divisions except the South Central and Pacific Divisions had less total cases and the same or less paralytic cases for the current week as compared with the previous week. In the Pacific Division, California reported

23 cases with 19 of these being paralytic. However, some of these are delayed reports from the previous week. Texas, Mississippi, and Tennessee account for most of the cases in the 2 South Central Divisions.

Only 9 cases (2 paralytic) have been reported from New Jersey. This is about half or less than the number of cases reported there in past weeks. Ohio has reported a relatively large number of cases (36) again this week but most of the cases in Ohio are in the unspecified category. Michigan has reported a substantial decline in both total and paralytic

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Seventh Revision of the International Lists, 1955)

DISEASE	42d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Oct. 18, 1958	Ended Oct. 19, 1957	Median 1953-57	First 42 weeks			Since seasonal low week			
				1958 <sup>1</sup>	1957	Median 1953-57	1957-58 <sup>1</sup>	1956-57	Median 1952-53 to 1956-57	
Anthrax-----062	-	1	1	12	17	22	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	3	11	10	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	12	15	24	657	797	1,070	(2)	(2)	(2)	(2)
Diphtheria-----055	36	40	61	582	815	1,299	232	351	557	July 1
Encephalitis, infectious-----082	85	49	49	<sup>a</sup> 1,911	1,535	1,535	<sup>a</sup> 1,302	975	975	June 1
Hepatitis, infectious, and serum-----092, W998.5 pt.	300	210	408	12,562	12,603	26,194	1,967	1,593	3,191	Sept. 1
Malaria-----110-117	2	3	7	58	132	402	(2)	(2)	(2)	(2)
Measles-----085	1,743	1,087	1,145	719,460	456,291	531,706	9,097	6,637	6,637	Sept. 1
Meningococcal infections-----057	43	44	48	2,125	1,961	2,886	353	276	289	Sept. 1
Meningitis, other-----340	<sup>4</sup> 168	36	---	<sup>5</sup> 3,399	1,934	---	---	---	---	---
Polio-myelitis-----080	289	111	881	<sup>a</sup> 4,667	5,323	25,078	<sup>a</sup> 4,448	4,797	23,927	Apr. 1
Paralytic-----080.0, 080.1	140	60	---	2,242	1,825	---	2,121	1,551	---	Apr. 1
Nonparalytic-----080.2	88	33	---	1,724	2,652	---	1,656	2,489	---	Apr. 1
Unspecified-----080.3	61	18	---	701	846	---	671	757	---	Apr. 1
Psittacosis-----096.2	1	4	4	121	210	216	(2)	(2)	(2)	(2)
Rabies in man-----094	71	-	-	3	4	7	(2)	(2)	(2)	(2)
Typhoid fever-----040	25	45	44	867	1,130	1,539	690	873	1,227	Apr. 1
Typhus fever, endemic-----101	-	-	2	63	101	113	51	76	97	Apr. 1
Rabies in animals-----	67	56	76	<sup>a</sup> 3,842	3,591	4,289	<sup>a</sup> 243	188	224	Oct. 1

<sup>1</sup>Data exclude report from Georgia for week ended October 11.

<sup>2</sup>Data show no pronounced seasonal change in incidence.

<sup>3</sup>Includes revised report from Indiana for week ended October 4.

<sup>4</sup>Includes 80 cases of aseptic meningitis: 62 in California,

4 in Florida, 5 in Maryland, 1 in Utah, 2 in Wisconsin, and 6 in Wyoming.

<sup>5</sup>Includes revised report from New York and Virginia.

<sup>6</sup>Includes revised report for one or more of the categories of poliomyelitis for Arkansas, Louisiana, New Mexico, and Washington.

<sup>7</sup>Reported in Ohio.

<sup>a</sup>Includes revised report from Indiana.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

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cases. Eighteen of the 66 cases in Michigan had onset during the week ended October 3 and 43 during the week ended October 10.

Through the first 16 weeks of the current diphtheria disease year, beginning with the week ended July 5, 232 cases of diphtheria have been reported. This is about 35 percent less than the 351 cases reported during the comparable period last year. However, localized outbreaks of the disease have occurred since July 1, 1958, in several States. Georgia reported 15 cases in the week ended October 4; 12 of these were in Fulton County. An outbreak of 38 cases in Louisiana during August and September is described in this issue of the Morbidity and Mortality Weekly Report. An outbreak of diphtheria in an institution in Minnesota caused 16 cases during June and July. Another sudden increase in the number of cases (12) in Minnesota has been reported for the current week.

According to epidemiological reports received from some of these States the case-fatality ratio of these outbreaks has been low. No deaths occurred in the Louisiana outbreak and 1 death that occurred during the Minnesota outbreak was considered to be the result of causes other than diphtheria itself. But isolated instances of deaths from diphtheria have been reported.

One case of human rabies has been reported in Ohio.

The case of malaria reported in Hawaii was considered the result of a transfusion.

Information from the Rhode Island Department of Health states that between 1941 and 1957 there have been 209,228 premarital blood tests done in the State; 1,680 of these, 0.8 percent, were positive. It is reported that there has been a slight but steady decline in the proportion of premarital blood tests that are positive. In 1941, 0.95 percent of the tests gave positive results, and only 0.55 percent of the tests were positive in 1957. The highest percentage of positive tests during this period was 1.05 percent and the lowest was 0.43 percent.

#### EPIDEMIOLOGICAL REPORTS

##### Influenza

The Division of Preventive Medicine, Bureau of Medicine and Surgery, U. S. Department of the Navy, has received a report from the Naval Medical Research Unit No. 2 located at Taipei, Taiwan, regarding the isolation of 3 strains of Type A influenza virus resembling the Asian strain. These were obtained from throat washings of 2 dependents of Navy personnel who were ill and of 1 man on active duty.

##### Aseptic meningitis

Dr. G. E. McDaniel, South Carolina State Board of Health, has reported that during the past 6 weeks approximately 100 aseptic meningitis-like illnesses have occurred in a small town in one of the counties in the Piedmont section of the State. A few similar cases have occurred in other areas of the same county and sporadically in a few isolated areas in the State. The predominant symptom in all cases was a severe headache that did not respond to usual medication. Also there was fever of 101-102° F., some nausea, occasional vomiting, and varying degrees of nuchal stiffness. Generalized weakness was a com-

plaint in most cases and in some there was demonstrable weakness in 1 or more of the extremities. Some of the cases required hospitalization. In a few cases there were additional complaints of thickness of speech, diminished ability to hear with one or both ears, and rare sensory skin disturbances. These symptoms occurred 1 to 2 weeks after onset of the illness. Recovery in most instances seemed to be complete in 7 to 10 days, although some individuals had not recovered normal health by the end of 3 or 4 weeks. Spinal fluid was obtained from 1 person and the specimen showed 491 cells. Laboratory examinations are being made on both stool and blood specimens.

##### Diphtheria

Dr. W. E. Long, District of Columbia Department of Public Health, has reported 2 cases of diphtheria which occurred in a 7-year-old Negro boy and his 10-year-old sister. The boy became ill September 22, was hospitalized on October 2, and died the following day. His sister became ill October 1. Throat swabs were cultured and revealed Corynebacterium diphtheriae, and a guinea pig virulence test of the organism was positive. Neither child had been immunized. Cultures were obtained from 7 family contacts, and these were reported as negative on 2 successive dates 1 week apart. Two siblings had received diphtheria inoculations within the past year. There were no known neighborhood contacts.

More information has been received from Dr. John M. Bruce, Louisiana Department of Health, about the outbreak of diphtheria in New Orleans. During the period August 14 to September 20, 37 Negro children ranging in age from 6 months to 10 years and 1 adult became ill; 32 of the cases were laboratory confirmed and the others were clinically diagnosed as diphtheria. There were no deaths reported. A 5-year-old white boy in an adjacent county became ill with diphtheria on September 27 and died. However, it was reported that this illness probably was not related to the outbreak in New Orleans. This child had not been vaccinated. The diagnosis was confirmed by laboratory tests.

Of the 38 cases in the outbreak, 22 occurred in males and 16 in females. Most of the cases were mild, 2 were considered moderately severe, and 1 was reported as severe and required a tracheotomy. Complications included myocarditis in several cases and nephritis in 1 case. The adult suffered serum sickness. Eight of the persons were fully vaccinated, 8 were reported to have had no vaccine; for 5 others the vaccination status was unknown and for the rest immunity had lapsed.

Organisms of the intermedius and mitis types, virulent strains, were identified in cultures from some of the individuals.

##### Malaria

Dr. I. F. Gratch, Pennsylvania Department of Health, has supplied information on the case of malaria reported in Pennsylvania. The individual suffered onset of the illness August 10. The diagnosis of malaria was confirmed by laboratory tests of a blood smear showing malarial parasites, presumably Plasmodium vivax. The man had been visiting in Georgia during the period July 28 to August 8, and he reported that he had been bitten by many mosquitoes while there.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 19, 1957, AND OCTOBER 18, 1958  
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTION		HEPATITIS, INFECTION, AND SERUM 092, W998.5 pt.			
	044		42d week		Cumulative first 42 weeks		082		42d week		Cumulative first 42 weeks	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONF. UNITED STATES <sup>1</sup> -----	12	15	36	40	582	815	85	49	300	210	12,562	12,603
NEW ENGLAND-----	-	1	-	2	6	23	-	1	14	7	463	701
Maine-----	-	-	-	-	-	3	-	-	2	2	61	223
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	2	8
Vermont-----	-	-	-	-	-	-	-	-	1	-	20	88
Massachusetts-----	-	1	-	2	5	20	-	-	7	-	228	206
Rhode Island-----	-	-	-	-	-	-	-	1	3	3	58	67
Connecticut-----	-	-	-	-	1	-	-	-	1	2	94	109
MIDDLE ATLANTIC-----	-	1	-	2	36	66	13	11	55	46	1,680	2,040
New York-----	-	-	-	1	16	33	10	8	28	32	1,130	1,264
New Jersey-----	-	-	-	-	3	10	-	3	2	5	135	249
Pennsylvania-----	-	1	-	1	17	23	3	-	25	9	415	527
EAST NORTH CENTRAL-----	4	2	2	-	35	44	6	16	26	20	2,110	2,109
Ohio-----	-	-	-	-	7	12	-	-	5	8	661	537
Indiana-----	-	1	1	-	15	11	3	9	2	1	186	296
Illinois-----	2	1	-	-	6	3	3	3	10	8	507	485
Michigan-----	2	-	1	-	6	16	-	1	6	3	576	564
Wisconsin-----	-	-	-	-	1	2	-	3	3	-	180	227
WEST NORTH CENTRAL-----	4	1	17	9	98	66	23	2	16	10	1,011	721
Minnesota-----	-	-	12	7	43	31	6	-	4	10	141	265
Iowa-----	2	1	-	-	13	7	-	-	2	-	181	168
Missouri-----	2	-	-	-	14	1	-	-	4	-	203	115
North Dakota-----	-	-	-	-	3	3	-	2	3	-	177	90
South Dakota-----	-	-	5	-	13	6	-	-	-	-	14	34
Nebraska-----	-	-	2	-	10	12	2	-	1	-	69	24
Kansas-----	-	-	-	-	2	6	15	-	2	-	226	25
SOUTH ATLANTIC <sup>1</sup> -----	1	-	6	13	160	264	2	3	35	21	923	967
Delaware-----	-	-	-	-	-	-	-	-	2	1	44	9
Maryland-----	-	-	-	-	3	3	-	-	6	-	110	87
District of Columbia-----	-	-	-	-	2	-	-	-	1	-	16	10
Virginia-----	1	-	3	2	20	14	-	-	4	12	236	382
West Virginia-----	-	-	1	-	10	5	-	-	10	1	135	85
North Carolina-----	-	-	1	2	17	32	1	1	1	1	47	92
South Carolina-----	-	-	-	3	26	78	-	1	-	1	37	29
Georgia <sup>1</sup> -----	-	-	-	5	49	65	-	1	5	3	95	109
Florida-----	-	-	1	1	33	67	1	-	6	2	203	164
EAST SOUTH CENTRAL-----	-	8	8	6	59	126	3	1	24	31	1,052	1,637
Kentucky-----	-	3	-	1	4	15	1	-	15	18	509	699
Tennessee-----	-	4	-	-	7	11	1	-	4	6	282	603
Alabama-----	-	1	4	5	25	56	1	1	2	5	187	220
Mississippi-----	-	-	4	-	23	44	-	-	3	2	74	115
WEST SOUTH CENTRAL-----	-	1	3	7	133	164	6	1	21	15	965	981
Arkansas-----	-	1	2	1	18	25	-	-	1	-	91	68
Louisiana-----	-	-	1	2	47	17	-	-	-	-	11	50
Oklahoma-----	-	-	-	1	25	20	2	-	3	3	126	115
Texas-----	-	-	3	43	102	4	1	17	12	737	748	
MOUNTAIN-----	3	1	-	1	43	28	6	1	40	13	1,940	1,069
Montana-----	-	-	-	-	16	9	2	-	9	1	325	153
Idaho-----	-	-	-	-	2	1	-	-	1	3	156	87
Wyoming-----	1	-	-	-	2	1	-	-	1	-	10	48
Colorado-----	1	-	-	-	7	2	-	-	15	1	213	167
New Mexico-----	1	-	-	-	12	9	2	-	2	5	279	341
Arizona-----	-	-	-	-	4	4	1	-	10	3	707	194
Utah-----	-	1	-	1	-	2	1	1	2	-	150	49
Nevada-----	-	-	-	-	-	-	-	-	-	-	100	30
PACIFIC-----	-	-	-	-	12	34	26	13	69	47	2,418	2,378
Washington-----	-	-	-	-	-	23	-	-	5	5	395	326
Oregon-----	-	-	-	-	7	3	-	-	5	6	358	448
California-----	-	-	-	-	5	8	26	13	59	36	1,665	1,604
Alaska-----	-	-	-	-	-	-	-	-	1	8	76	85
Hawaii-----	-	-	-	-	-	-	-	-	-	1	56	53
Puerto Rico-----	-	-	-	3	44	46	-	-	5	4	130	149

<sup>1</sup>Cumulative totals for 1958 exclude report from Georgia for week ended October 11.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 19, 1957, AND OCTOBER 18, 1958—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total <sup>2</sup>				Paralytic		Nonparalytic		110-117		085	
	42d week		Cumulative first 42 weeks		080.0,080.1		080.2					
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES <sup>1</sup> -----	289	111	4,667	5,323	140	60	88	33	2	3	1,743	1,087
NEW ENGLAND-----	2	2	82	77	2	1	-	-	-	-	95	129
Maine-----	-	-	2	6	-	-	-	-	-	-	16	10
New Hampshire-----	-	-	4	4	-	-	-	-	-	-	1	30
Vermont-----	-	-	6	5	-	-	-	-	-	-	29	2
Massachusetts-----	-	1	28	24	-	-	-	-	-	-	10	81
Rhode Island-----	-	-	3	-	-	-	-	-	-	-	-	2
Connecticut-----	2	1	39	38	2	1	-	-	-	-	39	4
MIDDLE ATLANTIC-----	28	11	577	311	18	5	5	3	1	-	213	131
New York-----	15	6	233	197	12	4	2	1	-	-	24	69
New Jersey-----	9	3	257	77	2	1	3	-	-	-	48	17
Pennsylvania-----	4	2	87	37	4	-	-	2	1	-	141	45
EAST NORTH CENTRAL-----	122	36	1,689	1,415	40	14	46	13	-	-	235	236
Ohio-----	36	9	308	240	10	2	-	-	-	-	51	17
Indiana-----	8	5	104	159	3	4	-	-	-	-	16	6
Illinois-----	9	7	193	331	5	2	1	4	-	-	32	48
Michigan-----	66	15	1,033	479	20	6	44	9	-	-	59	24
Wisconsin-----	3	-	51	206	2	-	1	-	-	-	77	141
WEST NORTH CENTRAL-----	15	5	297	428	6	2	7	2	-	-	158	46
Minnesota-----	3	1	26	50	3	-	-	1	-	-	5	5
Iowa-----	-	-	58	80	-	-	-	-	-	-	67	3
Missouri-----	6	1	108	112	3	1	3	-	-	-	7	-
North Dakota-----	1	-	40	11	-	-	1	-	-	-	74	13
South Dakota-----	-	-	7	38	-	-	-	-	-	-	-	-
Nebraska-----	2	-	27	75	-	-	2	-	-	-	5	25
Kansas-----	3	3	31	62	-	1	1	1	-	-	(*)	-
SOUTH ATLANTIC <sup>1</sup> -----	41	17	690	751	24	12	9	4	-	1	257	67
Delaware-----	3	-	20	5	1	-	2	-	-	-	4	-
Maryland-----	3	3	16	19	3	2	-	1	-	-	6	16
District of Columbia-----	-	2	5	59	-	1	-	1	-	-	2	3
Virginia-----	11	5	122	102	10	5	1	-	-	-	32	22
West Virginia-----	10	2	160	44	7	1	2	-	-	-	98	19
North Carolina-----	4	3	96	207	1	1	3	2	-	1	5	2
South Carolina-----	1	-	20	122	1	-	-	-	-	-	12	4
Georgia <sup>1</sup> -----	-	2	37	72	-	2	-	-	-	-	50	1
Florida-----	9	-	214	121	1	-	1	-	-	-	48	-
EAST SOUTH CENTRAL-----	23	10	282	372	11	5	9	2	-	-	121	50
Kentucky-----	2	3	46	97	1	1	1	-	-	-	40	4
Tennessee-----	8	5	96	137	4	2	1	2	-	-	55	27
Alabama-----	2	-	34	44	1	-	1	-	-	-	5	10
Mississippi-----	11	2	106	94	5	2	6	-	-	-	21	9
WEST SOUTH CENTRAL-----	26	9	586	1,018	19	7	7	2	-	-	136	84
Arkansas-----	1	-	19	55	1	-	-	-	-	-	-	1
Louisiana-----	4	4	171	170	3	2	1	2	-	-	-	-
Oklahoma-----	2	1	53	118	2	1	-	-	-	-	5	2
Texas-----	19	4	443	675	13	4	6	-	-	-	131	81
MOUNTAIN-----	3	4	160	227	1	3	-	1	-	-	279	89
Montana-----	-	-	60	12	-	-	-	-	-	-	151	33
Idaho-----	-	-	11	25	-	-	-	-	-	-	4	7
Wyoming-----	-	-	5	13	-	-	-	-	-	-	2	-
Colorado-----	-	2	18	43	-	1	-	1	-	-	20	10
New Mexico-----	2	1	27	48	-	1	-	-	-	-	71	21
Arizona-----	-	1	24	51	-	1	-	-	-	-	9	8
Utah-----	1	-	11	31	1	-	-	-	-	-	22	10
Nevada-----	-	-	4	4	-	-	-	-	-	-	-	-
PACIFIC-----	29	17	304	724	19	11	5	6	1	2	249	255
Washington-----	5	-	31	12	-	-	-	-	-	-	54	71
Oregon-----	1	-	35	37	-	-	1	-	-	-	36	66
California-----	23	17	238	675	19	11	4	6	1	2	159	118
Alaska-----	-	-	2	3	-	-	-	-	-	-	26	1
Hawaii-----	2	-	71	9	2	-	-	-	1	-	3	1
Puerto Rico-----	1	-	54	31	1	-	-	-	-	-	22	14

<sup>1</sup>Cumulative totals for 1958 exclude report from Georgia for week ended October 11.<sup>2</sup>Includes cases not specified by type, category number 080.3.<sup>3</sup>Includes revised report for one or more of the categories paralytic, nonparalytic, and unspecified poliomyelitis.

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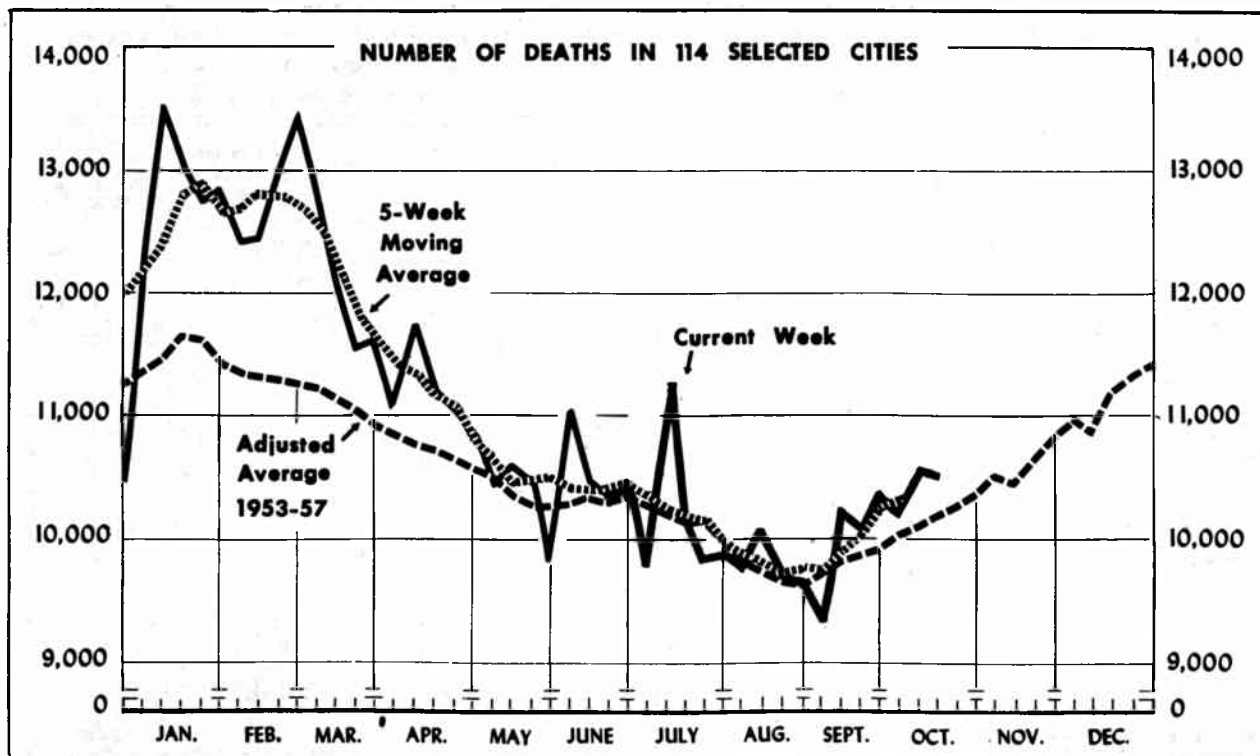
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 19, 1957, AND OCTOBER 18, 1958—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS		
	057			096.2		42d week		Cumulative first 42 weeks			101	1958	1957
	1958	1957		1958	1957	1958	1957	1958	1957				
CONT. UNITED STATES <sup>1</sup> -----	43	44	168	1	4	25	45	867	1,130	-	67	56	
NEW ENGLAND-----	2	4	24	-	1	1	-	17	22	-	-	-	
Maine-----	-	-	1	-	-	-	-	1	2	-	-	-	
New Hampshire-----	-	-	-	-	-	-	-	1	2	-	-	-	
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-	
Massachusetts-----	1	1	20	-	1	1	-	9	10	-	-	-	
Rhode Island-----	-	1	3	-	-	-	-	1	5	-	-	-	
Connecticut-----	1	2	-	-	-	-	-	5	3	-	-	-	
MIDDLE ATLANTIC-----	4	5	-	-	1	1	16	97	131	-	11	5	
New York-----	1	3	-	-	-	1	1	31	50	-	11	4	
New Jersey-----	1	1	-	-	-	-	-	18	19	-	-	-	
Pennsylvania-----	2	1	-	-	1	-	15	48	62	-	-	1	
EAST NORTH CENTRAL-----	7	17	25	-	-	1	4	93	163	-	15	7	
Ohio-----	2	3	-	-	-	1	3	36	61	-	1	4	
Indiana-----	1	1	1	-	-	-	-	15	58	-	7	3	
Illinois-----	-	6	21	-	-	-	1	22	20	-	-	-	
Michigan-----	4	4	1	-	-	-	-	11	12	-	-	-	
Wisconsin-----	-	3	*2	-	-	-	-	9	12	-	7	-	
WEST NORTH CENTRAL-----	7	4	2	-	1	1	5	72	81	-	13	6	
Minnesota-----	-	1	2	-	1	-	-	3	5	-	6	4	
Iowa-----	1	-	-	-	-	-	3	14	22	-	3	1	
Missouri-----	1	-	-	-	-	-	1	33	40	-	2	1	
North Dakota-----	1	-	-	-	-	-	1	2	2	-	2	-	
South Dakota-----	-	1	-	-	-	-	-	7	6	-	-	-	
Nebraska-----	4	-	-	-	-	-	-	2	-	-	-	-	
Kansas-----	-	2	-	-	-	1	-	11	6	-	-	-	
SOUTH ATLANTIC <sup>1</sup> -----	7	5	17	-	-	5	4	149	207	-	10	16	
Delaware-----	-	-	-	-	-	-	-	5	1	-	-	-	
Maryland-----	-	1	*6	-	-	2	-	9	9	-	-	-	
District of Columbia-----	-	-	1	-	-	-	-	6	8	-	-	-	
Virginia-----	-	1	2	-	-	-	-	33	38	-	1	8	
West Virginia-----	2	1	1	-	-	1	2	19	48	-	1	-	
North Carolina-----	2	1	-	-	-	-	1	17	14	-	-	2	
South Carolina-----	1	-	-	-	-	-	-	9	20	-	2	2	
Georgia-----	1	1	-	-	-	2	1	30	30	-	5	2	
Florida-----	1	-	*7	-	-	-	-	21	39	-	1	2	
EAST SOUTH CENTRAL-----	4	2	14	-	-	4	-	103	163	-	7	6	
Kentucky-----	1	-	9	-	-	2	-	29	53	-	4	6	
Tennessee-----	1	-	3	-	-	1	-	31	64	-	2	-	
Alabama-----	1	1	-	-	-	-	-	16	12	-	1	-	
Mississippi-----	1	1	2	-	-	-	-	27	34	-	-	-	
WEST SOUTH CENTRAL-----	5	3	11	-	-	6	3	208	229	-	7	10	
Arkansas-----	-	-	-	-	-	2	-	26	39	-	2	1	
Louisiana-----	3	-	-	-	-	3	1	76	52	-	-	-	
Oklahoma-----	-	1	4	-	-	-	-	8	26	-	-	5	
Texas-----	2	2	7	-	-	1	2	98	112	-	5	4	
MOUNTAIN-----	-	1	11	-	-	2	2	62	47	-	1	-	
Montana-----	-	1	-	-	-	-	-	3	3	-	-	-	
Idaho-----	-	-	-	-	-	-	-	6	4	-	-	-	
Wyoming-----	-	-	*6	-	-	-	-	3	2	-	-	-	
Colorado-----	-	-	-	-	-	-	-	8	11	-	-	-	
New Mexico-----	-	-	4	-	-	2	-	25	17	-	-	-	
Arizona-----	-	-	-	-	-	-	1	9	8	-	1	-	
Utah-----	-	-	*1	-	-	-	1	-	2	-	-	-	
Nevada-----	-	-	-	-	-	-	-	8	-	-	-	-	
PACIFIC-----	7	3	64	1	1	4	11	66	87	-	3	6	
Washington-----	1	-	-	-	-	-	3	3	6	-	-	-	
Oregon-----	1	-	2	-	-	-	-	10	5	-	-	-	
California-----	5	3	*62	1	1	4	8	53	76	-	3	6	
Alaska-----	-	-	-	-	-	-	-	1	1	-	-	-	
Hawaii-----	-	-	-	-	-	-	-	1	4	-	-	-	
Puerto Rico-----	-	-	2	-	-	-	2	24	17	-	-	-	

<sup>1</sup>Cumulative totals for 1958 exclude report from Georgia for week ended October 11.<sup>2</sup>Include 5 cases of aseptic meningitis.<sup>3</sup>Include 4 cases of aseptic meningitis.<sup>4</sup>Aseptic meningitis.

Symbols.—1 dash [-]: no cases reported; asterisk [\*]: disease not notifiable.



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week and an adjusted average, 1953-57, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1953-57, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is the 5-week moving average increased by 2.3 percent to allow for estimated population growth in the cities.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in a specified city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week an estimate is made for use in plotting the figure in the chart.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	42d week ended Oct. 18, 1958	41st week ended Oct. 11, 1958	Adjusted average, 42d week 1953-57	Percent change, adjusted average to current week	CUMULATIVE NUMBER FIRST 42 WEEKS		
					1958	1957	Percent change
TOTAL: 114 REPORTING CITIES-----	<sup>1</sup> 10,532	10,581	10,164	+3.6	<sup>1</sup> 464,710	451,105	+3.0
New England----- (14 cities)	<sup>1</sup> 689	647	682	+1.0	<sup>1</sup> 29,383	28,907	+1.6
Middle Atlantic----- (20 cities)	3,010	3,174	3,080	-2.3	134,017	130,780	+2.5
East North Central----- (19 cities)	<sup>1</sup> 2,406	2,328	2,219	+8.4	<sup>1</sup> 99,267	97,551	+1.8
West North Central----- (9 cities)	762	675	720	+5.8	32,773	32,020	+2.4
South Atlantic----- (11 cities)	899	836	836	+7.5	40,246	37,952	+6.0
East South Central----- (8 cities)	422	445	451	-6.4	21,551	20,250	+6.4
West South Central----- (13 cities)	833	890	785	+6.1	39,571	37,679	+5.0
Mountain----- (8 cities)	288	275	240	+20.0	12,418	11,338	+9.5
Pacific----- (12 cities)	1,223	1,311	1,212	+0.9	55,484	54,628	+1.6

<sup>1</sup>Includes estimate for missing cities.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	42d week ended Oct. 18, 1958	41st week ended Oct. 11, 1958	CUMULATIVE NUMBER FIRST 42 WEEKS	
			1958	1957
NEW ENGLAND:				
Boston, Mass.-----	215	213	10,095	9,788
Bridgeport, Conn.-----	36	39	1,558	1,572
Cambridge, Mass.-----	42	29	1,208	1,225
Fall River, Mass.-----	31	27	1,144	1,136
Hartford, Conn.-----	42	43	2,093	2,053
Lowell, Mass.-----	29	25	1,083	1,158
Lynn, Mass.-----	19	19	936	884
New Bedford, Mass.-----	24	20	983	1,015
New Haven, Conn.-----	144	44	21,909	1,926
Providence, R. I.-----	62	59	2,686	2,570
Somerville, Mass.-----	19	15	585	551
Springfield, Mass.-----	41	32	1,769	1,735
Waterbury, Conn.-----	28	25	1,104	1,047
Worcester, Mass.-----	57	57	2,230	2,247
MIDDLE ATLANTIC:				
Albany, N. Y.-----	44	56	2,061	2,036
Allentown, Pa.-----	27	32	1,357	1,576
Buffalo, N. Y.-----	147	161	6,257	5,881
Camden, N. J.-----	37	34	1,765	1,672
Elizabeth, N. J.-----	28	29	1,256	1,175
Erie, Pa.-----	22	37	1,482	1,477
Jersey City, N. J.-----	78	57	2,928	2,834
Newark, N. J.-----	114	104	4,014	4,287
New York City, N. Y.-----	1,548	1,615	67,775	66,289
Paterson, N. J.-----	26	48	1,713	1,624
Philadelphia, Pa.-----	406	469	20,977	20,012
Pittsburgh, Pa.-----	183	176	7,951	7,556
Reading, Pa.-----	23	25	889	963
Rochester, N. Y.-----	100	110	4,241	4,060
Schenectady, N. Y.-----	18	24	934	969
Scranton, Pa.-----	28	37	1,444	1,540
Syracuse, N. Y.-----	62	68	2,608	2,425
Trenton, N. J.-----	43	32	1,955	1,877
Utica, N. Y.-----	34	23	1,123	1,300
Yonkers, N. Y.-----	42	37	1,287	1,227
EAST NORTH CENTRAL:				
Akron, Ohio-----	57	54	2,389	2,266
Canton, Ohio-----	26	34	1,301	1,292
Chicago, Ill.-----	712	713	31,554	31,531
Cincinnati, Ohio-----	149	149	6,740	6,334
Cleveland, Ohio-----	236	182	8,721	8,615
Columbus, Ohio-----	142	147	4,810	4,667
Dayton, Ohio-----	62	93	3,047	2,977
Detroit, Mich.-----	351	282	13,340	13,523
Evansville, Ind.-----	37	41	1,630	1,318
Flint, Mich.-----	40	40	1,570	1,562
Fort Wayne, Ind.-----	32	41	1,449	1,506
Gary, Ind.-----	24	24	1,319	1,208
Grand Rapids, Mich.-----	38	45	1,714	1,697
Indianapolis, Ind.-----	151	142	5,421	4,982
Madison, Wis.-----	---	(35)	---	(1,322)
Milwaukee, Wis.-----	145	130	5,497	5,461
Peoria, Ill.-----	29	40	1,337	1,241
Rockford, Ill.-----	(21)	(32)	(1,091)	(1,073)
South Bend, Ind.-----	26	21	2,100	1,091
Toledo, Ohio-----	94	99	4,138	3,979
Youngstown, Ohio-----	55	51	2,190	2,301
WEST NORTH CENTRAL:				
Des Moines, Iowa-----	45	54	2,273	2,275
Duluth, Minn.-----	29	10	1,029	1,093
Kansas City, Kans.-----	27	27	1,145	1,211
Kansas City, Mo.-----	118	109	5,063	4,891
Lincoln, Nebr.-----	(28)	(17)	(1,043)	---
Minneapolis, Minn.-----	137	119	5,276	5,214
Omaha, Nebr.-----	65	46	2,892	2,832
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.-----	237	217	10,213	9,920
St. Paul, Minn.-----	63	49	2,991	2,745
Wichita, Kans.-----	41	44	1,891	1,839
SOUTH ATLANTIC:				
Atlanta, Ga.-----	113	97	4,593	4,537
Baltimore, Md.-----	243	228	10,337	9,946
Charlotte, N. C.-----	28	23	1,461	1,389
Jacksonville, Fla.-----	52	45	2,480	2,272
Miami, Fla.-----	63	56	2,982	2,111
Norfolk, Va.-----	42	29	1,475	1,497
Richmond, Va.-----	74	78	3,155	3,114
Savannah, Ga.-----	37	30	1,371	1,248
St. Petersburg, Fla.-----	(41)	(50)	(2,690)	---
Tampa, Fla.-----	42	47	2,741	2,565
Washington, D. C.-----	181	163	8,090	7,752
Wilmington, Del.-----	24	40	1,561	1,521
EAST SOUTH CENTRAL:				
Birmingham, Ala.-----	61	86	3,630	3,299
Chattanooga, Tenn.-----	36	41	1,993	1,915
Knoxville, Tenn.-----	24	14	1,138	1,135
Louisville, Ky.-----	94	97	4,557	4,382
Memphis, Tenn.-----	93	115	4,799	4,482
Mobile, Ala.-----	34	18	1,581	1,516
Montgomery, Ala.-----	31	36	1,409	1,080
Nashville, Tenn.-----	49	38	2,444	2,441
WEST SOUTH CENTRAL:				
Austin, Tex.-----	29	21	1,354	1,219
Baton Rouge, La.-----	24	28	1,189	1,033
Corpus Christi, Tex.-----	26	16	883	881
Dallas, Tex.-----	116	94	4,819	4,552
El Paso, Tex.-----	31	28	1,502	1,318
Fort Worth, Tex.-----	47	54	2,523	2,579
Houston, Tex.-----	142	169	6,641	6,249
Little Rock, Ark.-----	39	80	2,286	2,204
New Orleans, La.-----	159	156	7,361	7,231
Oklahoma City, Okla.-----	75	72	2,856	2,548
San Antonio, Tex.-----	77	91	4,073	3,978
Shreveport, La.-----	41	37	2,059	1,950
Tulsa, Okla.-----	27	44	2,025	1,937
MOUNTAIN:				
Albuquerque, N. Mex.-----	23	27	1,189	1,071
Colorado Springs, Colo.-----	23	13	619	566
Denver, Colo.-----	101	104	4,697	4,643
Ogden, Utah-----	20	15	622	520
Phoenix, Ariz.-----	32	42	1,865	1,289
Pueblo, Colo.-----	16	12	545	534
Salt Lake City, Utah-----	52	50	2,023	1,868
Tucson, Ariz.-----	21	12	858	847
PACIFIC:				
Berkeley, Calif.-----	20	19	785	818
Fresno, Calif.-----	(51)	(37)	(1,633)	---
Glendale, Calif.-----	(28)	(32)	(1,396)	---
Long Beach, Calif.-----	43	49	2,300	2,244
Los Angeles, Calif.-----	393	496	20,172	19,718
Oakland, Calif.-----	104	84	3,917	3,945
Pasadena, Calif.-----	34	25	1,471	1,477
Portland, Oreg.-----	80	79	4,134	4,023
Sacramento, Calif.-----	48	52	2,192	2,135
San Diego, Calif.-----	85	84	3,432	3,299
San Francisco, Calif.-----	173	183	7,888	7,966
San Jose, Calif.-----	(21)	(18)	(931)	---
Seattle, Wash.-----	150	148	5,635	5,468
Spokane, Wash.-----	51	50	1,917	1,904
Tacoma, Wash.-----	42	42	1,641	1,631
Honolulu, Hawaii-----	(40)	(28)	(1,533)	(1,612)

<sup>1</sup>Estimated.

<sup>2</sup>Includes estimate for current week.

Symbols.—Parentheses [ ( ) ] : data not included in table 3; 3 dashes [ --- ] : data not available.

# Morbidity and Mortality Weekly Report

## QUARANTINE MEASURES

Immunization Information for International Travel  
Public Health Service Publication No. 384 (1958)

### Changes Reported

Europe.—France (p. 46) now recommends smallpox vaccination for all arrivals from North and South America (except Canada and the United States).

On page 55, the information concerning the yellow fever vaccination center located at the U. S. Public Health Service, Atlanta, Georgia, should be changed to:

<u>Center</u>	<u>Clinic hours</u>	<u>Fee</u>
U. S. Public Health Service, Outpatient Clinic, 50 7th Street, N. E., Room 542, Atlanta, Georgia Tel. <u>TR</u> 6-3311, Ex. 5494	Tuesday, 10 a.m.	No

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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